



Entrez PubMed

Overview
Help | FAQ
Tutorial
New/Noteworthy

PubMed Services
Journal Browser
MeSH Browser
Single Citation Matcher
Batch Citation Matcher
Clinical Queries
Cubby

Related Resources
Order Documents
Grateful Med
Consumer Health
Clinical Alerts
ClinicalTrials.gov

Privacy Policy

1: Biotechnology (N Y) 1991 Dec;9(12):1386-9

Related Articles, Books

Evaluation of foreign gene codon optimization in yeast: expression of a mouse IG kappa chain.

Kotula L, Curtis PJ.

Wistar Institute of Anatomy and Biology, Philadelphia, PA 19104.

We have optimized the codons in an immunoglobulin kappa chain gene to those preferred in the yeast *Saccharomyces cerevisiae*. The mutant and wild type kappa chain genes were each fused with a synthetic invertase signal peptide that also contained only yeast-preferred codons, and expressed in the F762 yeast strain. The use of yeast-preferred codons resulted in a more than 5-fold increase in the rate of synthesis and at least a 50-fold increase in the steady state level of protein.

PMID: 1367771 [PubMed - indexed for MEDLINE]

Display Abstract Save Text Order Add to Clipboard

[Write to the Help Desk](#)

[NCBI](#) | [NLM](#) | [NIH](#)

[Department of Health & Human Services](#)

[Freedom of Information Act](#) | [Disclaimer](#)